

# Quarterly Report No. 14

## Standards, Policy & Regulation (‘October – December’ 2022)

January 2023

SESEI IV– Dinesh Chand Sharma

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## 1. Executive Summary

This is the last and the final quarterly report under project SESEI phase IV ending on 28<sup>th</sup> Feb'23, and is consisting of the synopsis of the SESEI activities for the period of October to December 2022.

The third round of the EU – India FTA discussion was held in November 2022, focusing on data flows, privacy, consumer protection, open government data, and issues related to capital movements, etc. The fourth round of talks is scheduled for March 2023. Meanwhile the cooperation between India and EU is increasing on issues of greater importance. Recently, The Ministry of Electronics and IT ([MeitY](#)) of the Government of India and the Directorate-General for Communications Networks, Content and Technology ([DG CONNECT](#)) of the European Commission signed an “[Intent of Cooperation on High Performance Computing \(HPC\), Weather Extremes & Climate Modeling and Quantum Technologies](#)”.

[EU-India InnoCenter](#) an initiative funded by the European Union’s research and innovation framework programme Horizon 2020, and is bringing 20 high-impact and unique tech startups to explore, enter and scale in the Indian market to help deepen collaboration and innovation among European startups and the Indian Industrial ecosystem. Similarly, to address the global challenges and to achieve climate neutrality, the Government of India will co-fund the successful Indian entities in [11 calls](#) under the Horizon Europe, of which 6 calls are open right now for submission of proposals.

India is increasingly focusing on creating a technology-based economy which is sustainable, secure, safe, self-reliant, globally competitive and yet in total harmony. Standards will play a significant role in the transition from traditional to a globally connected digitized world. To ensure effectiveness of the standardization process and policies [Bureau of Indian Standards \(BIS\)](#) released [Standards National Action Plan \(SNAP\) 2022-27](#) prioritizing standardization issues ranging from engineering to services, IoT to AI and smart cities to e-mobilities. ‘Smartness’, ‘Sustainability’ and ‘Services’ would be the key to future standardization. I am pleased to inform you that many of the suggestions and recommendations made by the SESEI expert as contributions towards the [Indian Standards National Plan \(SNAP\) 2022-27](#) have been accepted by the Bureau of Indian Standards. The mapped document as well as a short presentation on the SNAP 22 will be shared with all the project partners shortly. One of the important pillars emphasized in the SNAP 2022 is the transition from Linear to Circular economy. This being a priority area for SESEI, the project is working closely with the EU-REI and other key stakeholders in India to create awareness and to bring synergies between EU and India on this important topic. A very successful [second workshop on Environmental Design & Labelling - Role of Standards & Policy in India and the EU](#), was organized by [SESEI](#) in association with [CEN CENELEC](#), [ECOS](#), [TERI](#) and [EU-REI](#). This workshop on Eco Labelling and Eco Design was conceptualized to create a dialogue and discussion between EU and Indian stakeholders towards synergies in the approach for ECO Design and Labelling standards and policies both in EU and India.

We are pleased to inform you that ETSI’s standards repository were shared by SESEI with BIS for creation of Indian standards on "Electronic Signatures and Infrastructures (ESI): Policy and Security Requirements for Applications for Signature Creation and Signature Validation". ETSI standard



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[ETSI TS 119 101](#) has been recommended by all the BIS committee members and will be accepted for adoption as Indian Standard in the next sectional committee of Service Sector Divisional Council - SSD 10.

Another important achievement this quarter is inclusion of [ETSI EN 303 980](#), [ETSI EN 303 979](#) and ETSI EN 303 699 on “Satellite Earth Stations and Systems (SES); in the draft TEC released Mandatory Technical Requirements and Operational Requirements for all Non-Geostationary satellite orbit (NGSO) based communication networks providing Fixed Satellite Services (FSS) [or Broadcast Satellite Services (BSS)].

The [Department of Telecommunications](#) approved the adoption of [TSDSI](#) transposed [3GPP](#) Release-17 standards into National Standards without any changes.

Further inputs received from SESEI expert on the Security and Privacy for Consumer Internet of Things (IoT) and the report prepared by [TEC](#) on Security by design Principles in M2M device manufacturing and National Trust Center for certification of M2M devices and applications were incorporated, details of which are provided in the quarterly report.

SESEI expert led a session on Standards “**SPECIAL SPOTLIGHT: STANDARDS**”, at the IET India Future Tech Congress 2022. The Panel discussion on “[oneM2M: Impact of Global Standards in India](#)” bringing to fore the need to have global standards for IoT and M2M in India, its impact and effect on issues such as inter-operability, innovation, capacity building, data privacy etc.

List of draft standards released by Indian Standards organizations during this quarter is available as Annexure-1 and the detailed activity tracker including list of queries, events and meetings addressed by SESEI Expert as “Annexure -2” to this quarterly report.

With this I would like to conclude and thank all the project partners for their active engagement and constant guidance to the Project.

Assuring you of my best!!!

Warm regards,

**Dinesh Chand Sharma**  
**(Seconded European Standardization Expert in India)**



## 2. Key Meetings, Event Participation and Queries

In this section, we are providing you with a snapshot of various activities performed by the SESEI expert during the period starting 1<sup>st</sup> October till 31<sup>st</sup> December 2022. Details of all the activities are presented below for discernment. A quick dashboard of the activity summary is provided below:

Sr. No.	Description	Total Until now	In Last Quarter (Oct to Dec 2022)
1	External Meetings	484	28
2	Internal Meetings	101	6
3	Events/Seminar/Workshop/Roundtable	450	24
	<b>Total</b>	<b>1035</b>	<b>58</b>
4	No of Queries	124	10

Detail of few key meetings and event/workshop participation are briefly summarized below and for more information on all these meetings, events/workshop participations and list of queries addressed, please refer Activity Tracker report submitted as "Annexure -2\_Activity Tracker".

### Key Meetings:

Following is the list of few key meetings, SESEI expert participated in during the last quarter (October to December 2022).

#### Meetings with BIS:

##### Generic:

- Meeting with DDG Standardization BIS:** SESEI had a meeting with DDG Standardization to follow up on action items produced during bilateral meeting between BIS and CEN-CENELEC at the sidelines of ISO GA. Discussion and update was taken on the draft Framework License Agreement between CEN CENELEC and BIS. Progress and proposed work to be carried out by SESEI and BIS post the cooperation meeting held between CEN-CENELEC, BIS and SESEI. During meeting, DDG Standardization BIS said that they would like to start with the topic of Smart Standards - Digital transformation of the standardization process and products and for this they are interested in doing round of discussion, webinar and/or WG formation to understand and possibly implement the same in India. The matter has been taken up with CEN-CENELEC for further follow-up.

##### Services:

- BIS, Fourth Panel & Fifth Meeting of Digital Signature, SSD 10/P-4/A-2.4:** BIS sectional Committee SSD 10 is drafting Indian standard on "ELECTRONIC SIGNATURES AND INFRASTRUCTURES (ESI): POLICY AND SECURITY REQUIREMENTS FOR APPLICATIONS FOR



SIGNATURE CREATION AND SIGNATURE VALIDATION" which is based on ETSI TS 119 101. The main highlights of the meeting are as under:

- The ETSI standards repository were shared by SESEI expert. Subsequently, the standards were circulated with the members.
  - The foreword for the document provided by SESEI expert and shared with panel members for their comments.
  - The panel would be recommending the ETSI TS 119 102 -1 'Electronic Signatures and Infrastructures (ESI) - Procedures for Creation and Validation of AdES Digital Signatures - Part 1: Creation and Validation' for adoption as Indian Standard in the next sectional committee of SSD 10 as a next step.
- **BIS, Eighth Working Group Meeting of Cloud Services:** During the meeting, the convenor informed all the members that the working group have recommended 11 International Standards on cloud computing and services for adoption and all of them have been published. Now, the sectional committee has given the task formulating indigenous standard on cloud disaster recovery services and requested the members for their active participation in drafting the standard on cloud disaster recovery services. SESEI expert has provided [updates](#) on policy, legislation and standardization around Cloud and Edge Computing in Europe.
  - **Eighth and Ninth Sectional Committee Meeting IT and ITeS Enabled Services, SSD 10:** BIS sectional Committee SSD 10 covers, "Standardization in the field of services, processes, supporting frameworks, management and governance for the provisioning of IT and IT enabled services in areas such as (but not limited to), contract management, performance management, procurement management, customer satisfaction, contact center, covering existing and emerging digital and automation technologies". The working group is working on the formulation of Indigenous Standard on Cloud Service Provider Disaster Recovery Requirements. SESEI is part of the Working Group and an active contributor. The group given the task to SESEI and other experts to provide any existing body of knowledge on cloud disaster recovery and present it in the next meeting. Discussion on drafting the Working Draft on Cloud Disaster Recovery Services was held and agreed that the document will be titled "Cloud Service Provider Disaster Recovery – Guidelines".

### **Meetings with DoT/TEC and other government bodies:**

#### **ICT:**

- **TEC meeting of the Working group on IoT and 5G Use cases in Agriculture:** TEC is scheduling periodic meetings of the Working Group on IoT and 5G Use Cases in Agriculture. TEC is preparing a report on the use cases in the agriculture sector, meetings are being held to finalize this technical report. Inputs/ contributions on the use cases related to agriculture, was discussed in the meeting. The discussions and submissions made during the meetings were submitted in the fourth meeting of ITU-T FG on AI and IoT for digital Agriculture.
- **Meeting of TEC working group on "IoT and 5G applications in Smart Grid":** TEC is preparing a report on "IoT and 5G applications in Smart Grid". The use cases and Inputs/comments



received on the draft document were discussed during the meeting. Highlights of the meeting are as under:

- 5G services officially launched during the India Mobile Congress 2022. Many use cases were demonstrated for Smart Grid/Smart Metering. Details of a few of the use cases were discussed and deliberated during the meeting.
  - 5G is being rolled out across the country and its features may be used in various segments of smart Grid. Inputs received from the members have been accommodated in the draft.
  - As discussed in the last meeting, a contribution was submitted in ITU-R WP 5D through the TEC NSG-5 group. This contribution was on smart metering and in-line with the documents released as well as in progress.
  - DDG (IoT) also shared and explained the contribution in ITU NSG-5. Refinements required in the draft document were discussed and finalized.
- **TEC meeting of Working Group on “Security by design (SBD) Principles in M2M device manufacturing and National Trust Center (NTC) for certification of M2M devices and applications”:** TEC organized the virtual meeting of the Working Group (WG) on “SBD and NTC” for discussion of the draft document on Security by Design principles in M2M/IoT device manufacturing. TEC is in the process of finalizing the draft report on Security by Design principles in M2M/IoT device manufacturing. During the meeting, inputs/comments received from the members were discussed. Highlights of the meeting are as below:
    - While carrying forward the work on these work-items, two documents namely Code of Practice for Securing Consumer Internet of Things (IoT) and Framework of National Trust Centre for M2M/IoT Devices and Applications have already been released. Document on Code of Practice for Securing Consumer Internet of Things (IoT) has been endorsed by DoT to various ministries also covering Defense Research & Development Organization (DRDO) and Telecom Service Providers (TSPs) and to all related stakeholders for voluntary adoption of the guidelines available in this document and provide feedback.
    - Inputs received from SESEI have been discussed in detail during the various meetings. As per the inputs received from stakeholders including SESEI, the updates/additions made to the document are as under:
      - Secure update for firmware and operating system is a challenging task due to lack of secure OTA support in device capabilities
      - Security architecture is not built for embedded firmware forming a hardware abstraction layer (HAL). Native Operating system in market segment.
      - Details on Standardization Testing and Quality Certification (STQC) have been added as section 3.6.1 in the draft document.
      - Section 4.5 on ENISA discussed & refined based on the inputs received
      - Section 4.6 on ENISA discussed & refined based on the inputs received.
      - Added section 4.10 for 3rd Generation Partnership Project (3GPP)
      - Added Section 8.4 for Common Criteria (CC) - Evaluation Assurance Levels (EAL) Scheme
      - Added inputs in section 5 on Categorization / Classification of IoT devices
  - **Discussion on issues in implementation of National Security Directive on Telecommunication Sector (NSDTS) through the Trusted Telecom Portal (TTP):** With the



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launch of Trusted Telecom Portal (TTP), the National Security Directive on Telecom Sector (NSDTS) had become effective from 15<sup>th</sup> June 2021. The inputs / feedback from industry and its bodies during multiple engagements with NSCS had enabled streamlining processes and successful implementation of this directive. NSDTS has been effective for 18 months & NSCS held an interaction with industry bodies to discuss the implementation of NSDTS through the TTP Portal as well as seek feedback from the industry and address their queries.

- **Ministry of Electronics & IT (MeitY) organized a Digital India Dialogue on “Digital Personal Data Protection (DPDP) Bill 2022”:** Ministry of Electronics & Information Technology (MeitY) had published a draft [Digital Personal Data Protection Bill-2022](#). In this connection, Ministry of Electronics & Information Technology (MeitY) conducted a Digital India Dialogue, wherein Hon’ble Minister of State for Electronics and Information Technology interacted with the industry and other stakeholders and shared Ministry’s thoughts on the recently released draft Digital Personal Data Protection Bill, 2022. MAIT Secretariat and its members joined the meeting to raise the queries submitted in its representation and SESEI is a member of MAIT hence joined the dialogue.

### Meetings with Industry & Associations:

#### Generic:

- **Meeting with Director Regulatory Affairs, IKEA Range & Supply:** Director Regulatory Affairs, IKEA Range & Supply requested a call with SESEI expert to discuss draft Quality Control Order (QCO) on wooden furniture. During the meeting discussions were held and updates were provided on Standards referred in Draft QCO on wooden furniture, BIS Technical committee responsible for drafting standards around furniture: CED35 and contact details of BIS officials.
- **MAIT's Knowledge Session on proposed DESH Bill with EPCES:** MAIT organized a Knowledge Session on The Development of Enterprises and Services Hub Bill, 2022 (DESH Bill 2022) in association with Export Promotion Council for EOUs and SEZs (EPCES). The commerce ministry is planning to introduce the Development of Enterprise and Services Hub through this Bill in the Parliament. Previously the Special Economic Zones (SEZ) Act in 2005 was aimed at the establishment, development, and management of the Special Economic Zones for the promotion of exports and for matters connected therewith.

### Electrical & Electronics:

- **Annual General Body Meeting of India Smart Grid Forum (ISGF):** India Smart Grid Forum held its Annual General Meeting on 4th November 2022. SESEI works closely with ISGF and was invited to attend their AGM. During the Annual General Meeting of the ISGF, an overview of ISGF Activities, Key Achievements, Current Projects and Programs and New Projects and Initiatives were presented to all the members.



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- **Discussion on Closed Circuit Televisions (CCTVs) under Public Procurement Order (PPO): An Internal discussion was organized by MAIT.** MAIT organized an internal discussion with key stakeholders to discuss a draft structure document for CCTVs under PPO.
- **Brainstorming Session organized by MAIT on incentivizing use of recycled materials in domestically manufactured electronic equipment:** Manufacturers` Association for Information Technology (MAIT) organized a session on incentivizing use of recycled materials in domestically manufactured electronic equipment. Ministry of Environment, Forest, and Climate Change (MoEF&CC) has sought suggestions/views of the Industry on Incentivization of the use of recycled plastic and recycled materials in electronic devices manufactured domestically only.

**ICT:**

- **DECT Forum: DECT India Working Group Meeting:** DECT Forum of India has recently been re-constituted and is working towards reviving the DECT technologies in India. In this regard a presentation on DECT business case was prepared by the working group and during the meeting all members discussed to understand if this business case presented is in-line with the inputs provided by all. Working Group also sought suggestions on how to put the socio-economic benefits or larger public interests of DECT in India in this PPT.

**Meetings with EU delegates, EU project officers & officials from EU delegation in India:****Generic:**

- **Meeting with First Secretary - Trade Section, Delegation of the European Union to India:** to discuss project SESEI progress and the issue of QCOs, market access and how best we shall address them. SESEI provided input on all open QCOs and submitted a report on Market Access and mapping of QCO with Europe directives.
- **IET Future Tech Congress (FTC) oneM2M Standards Session:** Coordinator for the EU-India ICT Collaboration sought a conference call with SESEI to seek support for organizing a session on OneM2M standards for IoT in India. During the discussion, SESEI agreed to provide all support and help to the EU - India ICT collaboration project on it. The details on time slot, suggested speakers etc. were discussed and it was agreed that SESEI will coordinate the entire session and moderate it.
- **Meetings of the Preparatory Group for the proposed hybrid online seminar/ workshop on Circular Economy Standards - Ecolabeling & Eco Design:** Following the success of the webinar on Circular Economy jointly organized by EU-REI, SESEI, CEN CENELEC, BIS and ECOS. It was proposed by ECOS that another focused webinar on ECO -Design and Eco Label should be organized between India and EU. As a major priority area, SESEI worked as the main coordinator for this webinar. Weekly meetings with the preparatory committee were held until the webinar/ conference was done successfully. During these meetings the agenda, speakers, logistics and other details for the workshop are discussed, updated and action is taken.





- **Meeting with officials at EU Delegation to India:** SESEI held a meeting with officials at EU Delegation to India to discuss the proposed session on Global Standards for IoT / M2M at the Future Tech Congress 2022 at Bengaluru.

## Meetings with Project Partners:

### Generic:

- **Steering Committee No. SC#9:** The Steering Committee Meeting No. #9 was held in physical mode. During the Steering Committee Meeting the main discussion was held on actions emerging from the previous meeting, their status update and action required to close the same, status of the project from administration, management, and budget point of view. Updates from SESEI expert on Major Activities, Work Programme & Timeline of deliverables as well as updates from the Project partners on other relevant India-related initiatives/activities.
- **SESEI and EFTA FTA:** SESEI held a meeting with EFTA colleagues in the EFTA Trade Relations division in Geneva to discuss the ongoing EFTA FTA negotiations with India and how can SESEI support EFTA in its FTA negotiations with India.
- **Meeting with CCMC officials on Circular Economy and Resource Efficiency:** SESEI scheduled a meeting with Programme Manager and Head - Energy and Living department at CEN-CENELEC Management Centre. During the meeting, SESEI provided update on the Resource Efficiency & Circular Economy related initiatives and the work carried out by the SESEI project in India. CCMC official provided update on the latest standards and works carried out in this segment and how India and EU can collaborate on some issues. SESEI also discussed the forthcoming webinar around Environmental Design and Labelling.
- **Meeting with Policy Officer Standardisation and Concerned officials at European Commission DG GROW:** SESEI scheduled a meeting to provide an update on project development and to have discussion on important standardization related issues and how SESEI can further assist standardization and policy related issues between India and EU. During the meeting the main discussion points were:
  - EU-INDIA FTA team to discuss the progress and chapter on Standards: what's the status and how SESEI can help further on it.
  - Any work or progress on Trade and Technology Council (TTC) and/or A Roadmap to 2025 and how SESEI can help further on it.
  - Circular Economy and contact details of EC officers responsible for updating the Eco-Design and Eco-Labeling directive: SESEI is organizing a Webinar around this subject and a speaker from EC will be needed. SESEI discussed all around it.
- **Introduction Meeting with Officer at CEN CENELEC in-charge of the Project SESEI:** an introductory meeting was held between SESEI expert and Project Manager - Market Perspectives and Innovation, International who will be taking over the coordination for the SESEI project. During the meeting, SESEI briefed about the SESEI Project, deliverables and



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various milestones and provided update on upcoming action items and status/update on the same.

- **Hosting of oneM2M TP - in India during February 2023:** A conference call meeting was held to discuss the forthcoming Technical Plenary of the OneM2M scheduled to be held in India from 20th to 24th February 2023. The conference call meeting was held between Technical Officer - Smart Cards, ETSI and SESEI Team. A brief overview of the meeting requirements was discussed and the possibility of holding an Industry Day was also discussed during the meeting.
- **Meeting with CEN CENELEC officials to discuss BIS interest to engage with CEN CENELEC on smart standards:** SESEI had a meeting with Director and Project Manager - Market Perspectives and Innovation, at CEN CENELEC to discuss the proposed engagement with Bureau of Indian Standards (BIS) on Smart Standards. SESEI suggested that a presentation for BIS shall be organized covering the following topics.
  - Activities at IEC and ISO on Smart Standards, how it is getting implemented in Europe, timelines, tools etc.
  - Slide showing Indian representation at IEC and none at ISO hence suggestion that BIS shall nominate their officers at both ISO & IEC and let's work together aligning it at IEC/ISO and its implementation in our markets
  - Quarterly review meeting on its progress and other topics of mutual interest including bilateral engagement at the ISO/IEC GA meetings.

### Key Event Participations:

SESEI expert participated in following events either to understand the ongoing latest activities around Priority Topics in India or present/share EU updates.

### Generic:

- **World Standards Day 2022 celebration organized by Bureau of Indian Standards:** To acknowledge the collaborative efforts of the thousands of experts involved worldwide in standardization and ruminates on the future path. Keynote Address given by Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution and Textiles. The other highlights of the conference provided overview of; BIS initiatives, views and thoughts by the Policy Maker and the Leading Industrialists on Standards National Action Plan 2022 – 2027, Importance of Standards in Technical Education / Educational Curriculum. Post the main session parallel sessions on Smart City initiatives, Smart Energy and Circular Economy were also held.
- **[Webinar on European Accessibility Act and Standards – what SMEs need to know](#):** The purpose of the webinar was to raise awareness of SMEs and SME organizations on the Accessibility Act and standards supporting this piece of EU legislation and the potential impact it might have on SMEs. During the webinar, Senior Expert of the European Commission's social affairs unit, responsible for Disability and Inclusion, gave an overview on the European Accessibility Act and the current standardization requests. SBS Expert in accessibility, working



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for a company giving advice related to universal design of building and outdoor areas, digital accessibility, and usability, etc.

- **EBG Position Paper 2022 Release:** SESEI is a member of the EBG (European Business Group) and works closely with the Telecom Committee on Market access related issues and contributes and provides inputs on ICT standards.

### ICT:

- **IET India Future Tech Congress:** On the occasion of "Future Tech Congress 2022", held at Bengaluru from 22nd to 23rd November 2022. SESEI organized and moderated a session called "**SPECIAL SPOTLIGHT: STANDARDS**". SESEI moderated Panel Discussion on "**oneM2M: Impact of Global Standards in India**" with esteemed panelists from the IoT Community. Including CDOT, ETSI, BIS, TEC, etc. During the Panel discussion, SESEI touched upon need to have [global standards for IoT and M2M in India, its impact and effect on issues such as interoperability, innovation, capacity building, data privacy etc.](#) Discussion on the data privacy act, "Code of Practice for Securing Consumer Internet of Things (IoT)", etc. were also discussed at length.
- **ETSI's annual flagship event on Cyber Security returns in 2022:** SESEI attended the three-day ETSI Security Week. This provided an opportunity for SESEI to gain and update information and knowledge on Security related issues and meeting and interacting with ETSI members and officials. As per the agenda, the main topics were Global Regulation and Certification Landscape, Security Verticals, Technology Day – (Horizontal & Toolboxes). Agenda topics include: 5G, AI, Cyber Security Act (CSA), IoT / Connected Device Security, Post Quantum, and Co-ordinated Vulnerability Disclosure (CVD). SESEI also coordinated Indian Officer from Department of Telecom to share the updates from India virtually.
- **ETSI IoT Week:** The 2022 edition of the ETSI IoT Week, "Pursuing Digital and Green Transformation" took place physically in ETSI premises, Sophia Antipolis, France, on 10-14 October 2022. SESEI attended the ETSI IoT Week. The event offered an up-to-date overview of the major European and global trends in IoT services, technology innovations, deployments, and the relevant standardization work, highlighting new initiatives and directions of IoT in the context of green and digital transformation.
- **CyberComm 2022 "Accelerating the Evolution of Cybersecurity in India", organized by FICCI jointly with Ministry of Electronics & Information Technology:** 8 critical sectors have been identified under the National Cyberspace which include defence, space, nuclear, transportation, oil & gas, financial, communications and energy. Cyber threats can be controlled through policy interventions and a National Cyber Security Policy in place which has the vision to build secure and resilient cyberspace for citizens.
- **Knowledge Session on "Draft Telecom Bill, 2022" in association with E&Y:** MAIT in association with E&Y organized a knowledge Session on "Draft Indian Telecommunication Bill 2022".



- **TSDSI TECH DEEP DIVE 2022:** The 5th edition of its Annual Technical Deep Dive (TTDD) Conference was held from 7-10 November 2022. The theme of the conference was “Standards for Sustainable Development”. The conference showcased work being done in TSDSI and global SDOs and forums, research initiatives, industry and policy trends, and innovations that have the potential for standardization. The Inaugural session had TSDSI’s global partners talking about their strategies for developing standards for sustainable development. Areas of common interest that emerged from deliberations in this session are expected to be absorbed into collaboration activities with the relevant partners subsequently.
- **Knowledge Session on “Personal Data Protection Bill”:** MAIT in association with Ikigai organised a “Knowledge Session on Personal Data Protection Bill” recently brought out by GoI for public consultation. During the session, Ikigai Law, a specialist law firm focused on technology and innovation-led businesses, made a presentation on “Personal Data Protection Bill”. MAIT is proposing to onboard for drafting a submission on the draft Digital Personal Data Protection Bill 2022 which is to be done latest by December 17, 2022.
- **OneM2M International Conference on "The Journey to Massive IoT through Interoperable and Open Standards":** This conference aims to illustrate the technical and innovation potential of open-standard, scalable and interoperable IoT systems. Presenters described IoT systems based on the oneM2M standard. They shared developer and deployment experiences while illustrating the benefits of global standardization. The issues related to oneM2M’s standardization framework as well as the formal roles of regional standardization bodies and the ITU.
- **Closed Door Session on "Decoding the impact of the proposed Digital Privacy Law & Telecom bill on the Europe-India Business:** EBTC organized an exclusive Closed Door Session on ‘Decoding the impact of the proposed Digital Privacy Law & Telecom bill on the Europe-India Business Corridor’. The session involved thought leaders and key industry players with expertise on the respective bills. SESEI expert was invited by EBTC to share his thoughts and insights on the proposed Telecommunication Bill.
- **Webinar on TBT Enquiry point and Telecom standards in Public Procurement Policy – Make in India (PPP-MII) Policy:** Telecom Engineering Centre (TEC) in association with Telecom Equipment and Services Export Promotion Council (TEPC) organized a webinar on TBT Enquiry point and Telecom standards in PPP-MII Policy to brief on the TBT Enquiry Point and its role in addressing the concerns of Indian telecom equipment exporters.
- **8th edition of BIF’s Annual Flagship event - India SatCom 2022:** India Satcom 2022, was hosted by Broadband India Forum to provide various dimensions related to impact of Space Policy and the rapidly evolving new Satcom technologies, integration of Satcom with 5G and 6G, evolution of new business models, and other critical policy and regulatory measures required to facilitate the role of Satcom in Digital Inclusivity.
- **Global Conference on "Growth of the IoT/M2M Ecosystem through Standardized Implementations":** C-DOT, in association with DoT organized a two-day Global Conference on "Growth of the IoT/M2M Ecosystem through Standardized Implementations". The aim of the



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conference was to provide a knowledge sharing platform where, foreign and Indian experts from oneM2M, academia, R&D, industry and senior officials from Ministries of Communications, MoHUA and authorities involved in Indian Smart Cities project can interact to share knowledge and experiences.

### **Electrical & Consumer Electronics:**

- **IESA open webinar on EV Charger report:** India EV charger market is witnessing growth on account of rise in sales of EVs, aggregated charging station tender announcements and supportive policy & regulations in the country. Customized Energy Solutions have released the third edition of India EV charger market Overview in October 2022.

### **Energy Efficiency incl. Circular Economy:**

- **Hybrid Workshop on Circular Economy: Environmental Design & Labelling - Role of Standards & Policy in India and EU:** European Union's Resource Efficiency Initiative (EU-REI) along with the Seconded European Standards Experts in India (SESEI), European Standards Organizations CEN-CENELEC in partnership Environmental Coalition on Standards (ECOS), and TERI organized the second edition of the Hybrid Workshop on Environmental Design & Labelling - Role of Standards & Policy in India and the EU. This workshop on Eco Labelling and Eco Design was conceptualized to create a dialogue and discussion between EU and Indian stakeholders towards synergies in the approach for ECO Design and Labelling standards and policies both in EU and India. The hybrid workshop was held on 2nd December 2022 at India Habitat Centre and was also available on the Webex platform for virtual participation. The workshop was attended by more than 110 delegates (52 attended physically and 59 delegates joined online). Domain Experts, Policy Makers, and standards influencers as well as Industry experts were invited to speak at this workshop and share their unique perspective, share best practices and insights on this important topic.

The workshop was divided in four sessions, providing detailed discussion and time to the speakers to elaborate on the topics, i.e. role of Policy, Role of standards including a fire side chat with high level panel on Need and Role of Environmental Design & Labeling for achieving Circular Economy and Resource Efficiency. Detailed event report and presentations are available [here>>](#)

- **FICCI Conference on Water, Sanitation and Waste Management Relevance of Quality Infrastructure (QI) for Circular Economy:** FICCI organized a conference on Water, Sanitation and Waste Management: Urban Perspective. Panel Discussion on Water, Sanitation and Waste Management: Urban Perspective. SESEI attended this conference to gain and update information and knowledge on Water, Sanitation and Waste Management.
- **FICCI CIRCULAR ECONOMY SYMPOSIUM 2022:** The sixth edition of Circular Economy Symposium (ECS) organized by FICCI was focused on addressing all the aspects to drive forward an inclusive circular economy agenda and promote a transition to circular economic models. It was brought to light that the government has been proactive in formulating action plan to push ground level actions to accelerate CE transition. The boardentre Pollution Control



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Board has also launched a centralized Extended Producers Responsibility (EPR) portal for plastic packaging waste & will help in improving accountability, traceability, and transparency of the fulfillment of EPR obligations. The industry on the other side is adopting modern innovation techniques to digitalize the entire waste management. The deliberations touched upon the role of circularity in achieving Net Zero, Circular financing and green investment as key enablers, policy imperatives to drive circularity, role of digitalization, global best practices, and solutions.

- **Webinar on "Awareness on Waste Management: Implications & Challenges":** VINCULAR Testing Labs India Pvt. Ltd. Organized a webinar on "Awareness on Waste Management: Implications & Challenges".

### Key Queries:

#### Generic:

- Shared annual Work Program of EC, ETSI and CEN-CENELEC: **Bureau of Indian Standards (BIS)**
- Information on Indian Standards around furniture developed by CED 35 of BIS: **IKEA Range & Supply**

#### Smart mobility:

- Information on frequency bands which are reserved for ITS cooperative systems to operate in Vehicle and infrastructure in Europe: **Bureau of Indian Standards (BIS)**
- Information on EN standard on Lifts adopted by India: **European Commission**

#### Electronics:

- Information on printing of QR code on the packaging of electronics products: **Katoo Natie**

#### ICT:

- Provided inputs to draft technical report on Security by design Principle for IoT being prepared by: **Telecommunication Engineering Center (TEC)**
- Shared EU perspectives on IoT and some write ups, reports, studies etc.: **Voice & Data**
- Information of 5G Rollout in India covering implementation timelines of Operators, 5G Handset in India, readiness to 3GPP release based 5G and roaming & readiness for 5Gi, Network Topology and Architecture adopted by Reliance and Airtel, network offerings of Ericsson and Nokia: **ETSI**
- Provided information on 5G - Captive Non-Public Network (CNPN) license and the draft Telecommunication Bill, 2022: **ETSI**

#### Smart City:



- Provided inputs to GBI /Leena Thomas' study report on smart city being prepared by Global Business Inroads (GBI): Global Business Inroads (GBI)

### 3. Planned Activities for Next Quarters

- Preparation for Final Report for SESEI IV
- Organization of Meetings for ETSI Official Visit in February 2023
- Conducting final steering meeting SC#10.

### 4. Glossary

S. No	Acronym	Expansion
1	3GPP	3rd Generation Partnership Project (3GPP)
2	AI	Artificial Intelligence
3	BIS	Bureau of Indian Standards
4	CDAC	Centre for Development of Advanced Computing
5	CDOT	Centre for Development of Telematics
6	CEN	European Committee for Standardization
7	CENELEC	European Committee for Electro-technical Standardization
8	DECT	Digital Enhanced Cordless Telecommunications
9	DESH	Development of Enterprise and Services Hub
10	EBG	European Business Group
11	EBTC	European Business and Technology Centre
12	ECOS	Environmental Coalition on Standards
13	EFTA	European Free Trade Association
14	EISMEA	European Innovation Council and SMEs Executive Agency
15	ENISA	European Union Agency for Cybersecurity
16	ESS	European Standardisation System
17	ETSI	European Telecommunications Standards Institute
18	EU	European Union
19	EU-REI	European Union's Resource Efficiency Initiative
20	FICCI	Federation of Indian Chambers of Commerce & Industry
21	FTA	Free Trade Agreement
22	GISFI	Global ICT Standardization Forum for India
23	IEC	International Electrotechnical Commission
24	IOT	Internet of Things
25	ISGF	India Smart Grid Forum



26	ISO	International Organization for Standardization
27	ITU	International Telecommunication Union
28	M2M	Machine to Machine Communication
29	MAIT	Manufacturing Association for Information Technology
30	MEITY	Ministry of Electronics and Information Technology
31	MoEF&CC	Ministry of Environment, Forest and Climate Change
32	MoHUA	Ministry of Housing & Urban Affairs
33	MoU	Memorandum of Understanding
34	NTIPRIT	National Telecommunications Institute for Policy Research, Innovation & Training
35	QCO	Quality Control Orders
36	R&D	Research and Development
37	SBS	Small Business Standards
38	SESEI	Seconded European Standardization Expert for India
39	SMEs	Small and Medium Enterprises
40	SSD	Service Sector Department
41	STQC	Standardization Testing and Quality Certification
42	TBT	Technical Barriers to Trade
43	TEC	Telecom Engineering Centre
44	TSDSI	Telecommunications Standards Development Society India
45	TTC	Trade and Technology Council
46	TTP	Trusted Telecom Portal
47	WG	Working Group

